

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims, AMEND claims, and ADD new claims, in accordance with the following:

1. (CURRENTLY AMENDED) A plasma display panel₁ comprising:
a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a display surface, each of said discharge electrodes comprising a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells; and
shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of and not connected to the corresponding bus electrode.
2. (PREVIOUSLY AMENDED) The plasma display panel according to claim 1, wherein said shielding parts are formed within the cells, other than between the corresponding, opposing portions of adjacent discharge electrodes defining respective cells, in conformity with portions having low luminescent intensity.
3. (CURRENTLY AMENDED) A plasma display panel₁ comprising:
a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a side of a display surface, each of said discharge electrodes having a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells;
shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of and not connected to the corresponding bus electrode;
a rear substrate having an interior main surface facing the interior main surface of said

front substrate, with a discharge space therebetween;

a plurality of address electrodes parallel to each other, and extending along said rear substrate in a direction orthogonal to said discharge electrodes;

cells, in which light is emitted, wherein

each cell includes narrow projecting transparent electrode parts projecting laterally toward the center of the cell, and having respective, opposing parts at tips of said projecting parts extending longitudinally; and

said shielding parts are formed on at least one of said projecting parts and said opposing parts, in correspondence to regions having low luminescent intensity relatively to each region having high luminescent intensity and existing between the laterally disposed opposing parts at which gaseous discharges producing light emission are generated.

4. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 3,~~
wherein A plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a side of a display surface, each of said discharge electrodes having a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells;

shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of the corresponding bus electrode;

a rear substrate having an interior main surface facing the interior main surface of said front substrate, with a discharge space therebetween;

a plurality of address electrodes parallel to each other, and extending along said rear substrate in a direction orthogonal to said discharge electrodes; and

cells, in which light is emitted, wherein:

each cell includes narrow projecting transparent electrode parts projecting laterally toward the center of the cell and having respective, opposing parts at tips of said projecting parts extending longitudinally; and

said shielding parts are formed on the surfaces of said projecting parts and the of connections thereof to the respective opposing parts, in correspondence to regions having low luminescent intensity relatively to each region having high luminescent intensity and existing between the laterally disposed opposing parts at which gaseous discharges producing light

emission are generated.

5. (CURRENTLY AMENDED) The plasma display panel according to claim 3 4, further comprising a rib formed along spaces between said address electrodes wherein said shielding parts are formed on said opposing parts, each of the shielding parts formed between said rib and the center of said opposing part.

6. (CURRENTLY AMENDED) The plasma display panel according to claim 3 4, wherein said shielding parts are formed on said opposing parts, at the sides closer to said bus electrodes.

7. (ORIGINAL) The plasma display panel according to claim 1, wherein said shielding parts are formed of the same material as that of said bus electrodes.

8. (CANCELED)

9. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 1, A~~ plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a display surface, each of said discharge electrodes comprising a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells; and

shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of the corresponding bus electrode, wherein:

a plurality of cells, which are units discharge-generated light is emitted in, are formed along said discharge electrodes neighboring each other; and

said shielding parts formed respectively in said cells have different areas depending on the luminescent colors of said cells.

10. (ORIGINAL) The plasma display panel according to claim 9, wherein:
said cells include blue cells for emitting blue light; and
said shielding part formed in each of said blue cells have an area smaller than areas of

said shielding parts formed in other cells.

11. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 1,~~ A plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a display surface, each of said discharge electrodes comprising a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells; and
shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of the corresponding bus electrode, wherein:

a plurality of cells of respective and different, plural colors of light emission define a single pixel, each pixel including a cell emitting blue light and other cells emitting other color lights; ~~and~~

said shielding part in said blue cells of each pixel is of a smaller area than the respective shielding parts in the other color cells of the pixel; and

said respective shielding parts in said cells of each pixel are formed in correspondence to regions of low intensity.

12. (CURRENTLY AMENDED) A plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a display surface, each of said discharge electrodes having a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells, each said discharge electrode being capable of discharging, alternately, with each of the adjacent electrodes; and
shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed along said front substrate, and disposed laterally of and not connected to the corresponding bus electrode.

13. (PREVIOUSLY AMENDED) The plasma display panel according to claim 12, wherein said shielding parts are formed within the cells, other than between the corresponding, opposing portions of adjacent discharge electrodes defining respective cells, in conformity with

portions having low luminescent intensity.

14. (CURRENTLY AMENDED) A plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a side of a display surface, each of said discharge electrodes having a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells, each said discharge electrode being capable of discharging, alternately, with each of the adjacent electrodes;

shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of and not connected to the corresponding bus electrode;

a rear substrate facing said front substrate, with a discharge space in between;

a plurality of address electrodes parallel to each other, and placed along said rear substrate in a direction orthogonal to said discharge electrodes;

cells in which light is emitted, wherein each cell includes narrow projecting transparent electrode parts projecting laterally toward the center of the cell and having respective, opposing parts at tips of said projecting parts extending longitudinally; and

said shield parts are formed on at least one of said projecting parts and said opposing parts, in correspondence to regions having low luminescent intensity relatively to each region having high luminescent intensity and existing between the laterally disposed opposing parts at which gaseous discharges producing light emission are generated.

15. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 14,~~ A plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a side of a display surface, each of said discharge electrodes having a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells;

shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed on a corresponding said transparent electrode and disposed laterally of the corresponding bus electrode; and

a rear substrate facing said front substrate, with a discharge space in between;
a plurality of address electrodes parallel to each other, and placed along said rear
substrate in a direction orthogonal to said discharge electrodes; and
cells in which light is emitted, wherein each cell includes narrow projecting transparent
electrode parts projecting laterally toward the center of the cell and having respective, opposing
parts at tips of said projecting parts extending longitudinally, wherein:
said shielding parts are formed on the surfaces of said projecting parts and ~~the~~of
connections thereof to the respective opposing parts, in correspondence to regions having low
luminescent intensity relatively to each region having high luminescent intensity and existing
between the laterally disposed opposing parts at which gaseous discharges producing light
emission are generated.

16. (ORIGINAL) The plasma display panel according to claim 14, further
comprising a rib formed along spaces between said address electrodes wherein said shielding
parts are formed on said opposing parts, each of the shielding parts formed between said rib
and the center of said opposing part.

17. (ORIGINAL) The plasma display panel according to claim 14, wherein said
shielding parts are formed on said opposing parts, at the sides closer to said bus electrodes.

18. (ORIGINAL) The plasma display panel according to claim 12, wherein said
shielding parts are formed of the same material as that of said bus electrodes.

19. (CANCELED)

20. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 12, A~~
plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front
substrate, an exterior main surface thereof comprising a display surface, each of said discharge
electrodes having a bus electrode and a transparent electrode connected to said bus electrode
and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes,
spaced in a lateral direction, defining corresponding discharge cells, each said discharge
electrode being capable of discharging, alternately, with each of the adjacent electrodes; and
shielding parts to shield incident light from an exterior of the front substrate, each

shielding part formed along said front substrate, and disposed laterally of the corresponding bus electrode, wherein:

a plurality of cells, which are units discharge-generated light is emitted in, are formed along said discharge electrodes neighboring each other; and

said shielding parts formed respectively in said cells have different areas depending on the luminescent colors of said cells.

21. (ORIGINAL) The plasma display panel according to claim 20, wherein:

said cells include blue cells for emitting blue light; and

said shielding part formed in each of said blue cells have an area smaller than areas of said shielding parts formed in other cells.

22. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 12,~~ A plasma display panel, comprising:

a plurality of discharge electrodes arranged on an interior main surface of a front substrate, an exterior main surface thereof comprising a display surface, each of said discharge electrodes having a bus electrode and a transparent electrode connected to said bus electrode and extending in a longitudinal direction, opposing portions of adjacent discharge electrodes, spaced in a lateral direction, defining corresponding discharge cells, each said discharge electrode being capable of discharging, alternately, with each of the adjacent electrodes; and

shielding parts to shield incident light from an exterior of the front substrate, each shielding part formed along said front substrate, and disposed laterally of the corresponding bus electrode, wherein:

a plurality of cells of respective and different, plural colors of light emission define a single pixel, each pixel including a cell emitting blue light and other cells emitting other color lights; and

said shielding part in said blue cells of each pixel of a smaller area than the respective shielding parts in the other color cells of the pixel; and

said respective shielding parts in said cell of each pixel are formed in correspondence to regions of low intensity.

23. (PREVIOUSLY ADDED) The plasma display panel according to claim 3, wherein each of said opposing parts are wider than each of said projecting parts.

24. (PREVIOUSLY ADDED) The plasma display panel according to claim 14, wherein each of said opposing parts are wider than each of said projecting parts.

25. (CURRENTLY AMENDED) A plasma display panel, comprising:
front and rear substrates having opposing, interior surfaces spaced to define a discharge gap therebetween and an exterior surface of the front substrate defining a display surface;
a plurality of discharge electrodes arranged on the interior surface of the front substrate, each discharge electrode comprising a bus electrode and a transparent electrode connected to the bus electrode, adjacent, opposed portions of the transparent electrodes defining corresponding discharge cells that are spaced in the longitudinal direction;
each discharge cell having at least one region of highest luminescent intensity in the vicinity of the opposing portions of the transparent, opposed electrodes and regions of relatively lower luminescent intensity within each cell; and
a shield part disposed on the transparent electrode in each cell and disposed laterally of and not connected to the corresponding bus electrode to shield incident light from the exterior of the panel in at least a selected said region of relatively lower luminescent intensity.

26. (CURRENTLY AMENDED) ~~The plasma display panel according to claim 25,~~ A plasma display panel, comprising:
front and rear substrates having opposing, interior surfaces spaced to define a discharge gap therebetween and an exterior surface of the front substrate defining a display surface;
a plurality of discharge electrodes arranged on the interior surface of the front substrate, each discharge electrode comprising a bus electrode and a transparent electrode connected to the bus electrode, adjacent, opposed portions of the transparent electrodes defining corresponding discharge cells that are spaced in the longitudinal direction;
each discharge cell having at least one region of highest luminescent intensity in the vicinity of the opposing portions of the transparent, opposed electrodes and regions of relatively lower luminescent intensity within each cell; and
a shield part disposed on the transparent electrode in each cell and disposed laterally of the corresponding bus electrode to shield incident light from the exterior of the panel in at least a selected said region of relatively lower luminescent intensity;
wherein the transparent electrodes further comprise:

a projecting, narrow part extending laterally from the bus electrode; and
an opposing part integrally formed with the narrow projecting part at a tip thereof and
extending longitudinally, parallel to the bus electrode; and
in each said cell, the shielding part is formed on at least the projecting, narrow part.

27. (NEW) A plasma display panel, comprising:
a plurality of discharge electrodes arranged on an interior main surface of a front
substrate, an exterior main surface thereof comprising a display surface, each of said discharge
electrodes comprising a bus electrode and a transparent electrode connected to said bus
electrode and extending in a longitudinal direction, opposing portions of adjacent discharge
electrodes, spaced in a lateral direction, defining corresponding discharge cells; and
shielding parts to shield incident light from an exterior of the front substrate, each
shielding part being formed on a corresponding said transparent electrode and disposed
laterally of the corresponding bus electrode and a portion of an outline of the shielding parts
being formed along a periphery of a portion showing a distribution of a discharge-generated
light having the same luminescent intensity.

28. (NEW) The plasma display panel according to claim 27, wherein said shielding
parts are formed integrally with said bus electrodes.